

Lot 1102 (#16) Chapman Street WERRINGTON 2747

LOCAL GOVERNMENT AUTHORITY

Penrith City Council

COMMISSIONED BY

Creation Homes (NSW) Pty. Ltd.

CLIENT

Lendlease Corporation

DWELLING TYPE

Double Storey

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Document Set 10:9038666

REFERENCE NUMBER
1102Werrington

DEPOSITED PLAN NUMBER

1226122

CERTIFICATION DATE

9/12/2019



Reference Number: 1102Werrington

Assessment Date: 09/12/2019

PROJECT CERTIFICATION SUMMARY

Certificate Number: Assessor Name: Accreditation number: Certificate date: Design address: Des

DESIGN AND APPROVED SOFTWARE INFORMATION

SIMULATION ENGINE Chenath Engine 3.13 (FirstRate5)

EXPOSURE Suburban
ORIENTATION: 168

Nathers Climate Zone: 28 BCA (NCC) CLIMATE ZONE: 6

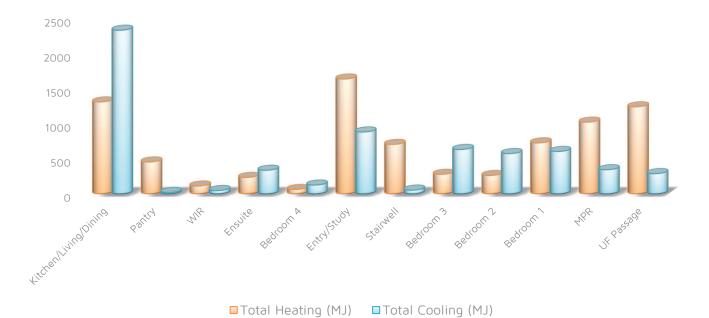
INTERNAL AREAS (m²) 189.94 OUTDOOR AREAS (m²) 16.29 GARAGE/CARPORT (m²) 34.33

ASSESSMENT CALCULATIONS & SOFTWARE RESULTS

TARGET	$(MJ/m^2.pa)$	PROPOSED	$(MJ/m^2.pa)$	BUILD EFFICIENCY	BENCHMARK
Heating:	55.7	Heating:	51.0	PASS:	8.8%
Cooling:	56.2	Cooling:	39.5	PASS:	34.9%
Total:	111 9	Total	90.5		

ZONED ENERGY LOAD DISTRIBUTION TOTALS (MJ)

The heating and cooling loads indicated are the simulated annual energy usages (MJ) for this home. The higher the load, the more energy needed to achieve thermal comfort.



STATEMENT OF COMPLIANCE

I / We certify that we are specialists in the relevant discipline and the following design documents comply with the relevant requirements of the National Construction Code (NCC Volume One/Two as applicable) in relation to thermal performance and the relevant Australian Standards specified in this report.

ASSESSOR NAME: C Sgokloll SIGNATURE: C Saklall

RELEVANT QUALIFICATION STATEMENT

Certifiicate IV in NatHERS Assessment (Credential Number: TRF0002560) Residential Building Thermal Performance Assessment (91318NSW) Course

Assessor Accrediting Organisation (AAO) Accreditation Number: VIC/BDAV/14/1662 | ABSA/61846



Reference Number: 1102Werrington

BUILDING SPECIFICATION SUMMARY

HOUSE

EXTERNAL WALLS

	CONSTRUCTION TYPE	INSULATION	NOTES
	Brick Masonry	None	Double Brick to Front Elevation of Garage
EXTERNAL WALLS	Brick Veneer	None	External Garage walls
EXTERNAL WALLS	Framed	R1.5 Batts	Specified walls of Upper Floor
	Brick Veneer	R1.5 Batts	Remainder of the external walls

ADDITIONAL NOTES

Location of Construction Material as per Drawings | No insulation to external Garage walls

INTERNAL WALLS

	CONSTRUCTION TYPE	INSULATION	NOTES
INTERNAL WALLS	Framed	None	No insulation to the internal walls

ADDITIONAL NOTES None

ROOF AND CEILING

	CONSTRUCTION TYPE	INSULATION	NOTES
ROOF	Colorbond (un-ventilated)	Sərking	Approx. 5"0' & 8"0' Roof Pitch
CEILING	Plasterboard Plasterboard	R2.5 Bətts None	To House Area To Garage Area

ADDITIONAL NOTES

No insulation to the Garage ceiling | Location of Roof Pitch/Type as per elevations

FLOOR

	CONSTRUCTION TYPE	INSULATION	NOTES
FLOOR	300mm Waffle 85mm Slab	None	To Ground Floor
	Timber Suspended	None	GF Ceiling/UF Floor
ADDITIONAL NOTES	Floor Coverings modelled as per Dra	awings & NatHERS Proto	cols

Floor Coverings modelled as per Drawings & NatHERS Protocols

EXTERNAL GLAZING

GLASS TYPE	COLOUR	FRAME	U _w VALUE	SHGC	NOTES
Standard	Clear	Aluminium	6.25	0.72	Stacker Doors
Standard	Clear	Aluminium	6.42	0.76	Sliding Windows
Standard	Clear	Aluminium	6.70	0.57	Casement Doors
Standard	Clear	Aluminium	6.50	0.63	Awning Windows

Note: Only a +/-5% SHGC tolerance is allowed with this rating. NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated in the report. If any of the windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.



Document Set ID: 9038666

AREA WITHIN THE CLASS 1 BUILDING

Assessment Date: 09/12/2019

ROOM AREAS

Reference Number: 1102Werrington Certificate Number: Assessor Name: Assessor Nam

THERMAL MODELLING SOFTWARE AREA CALCULATIONS



All areas are calculated by the modelling software and do not take into account internal wall area displacements. The areas above are a representation of room proportions only in relation to total areas

LIGHTING/PENETRATION CALCULATIONS

ARTIFICIAL LIGHTING CALCULATION ALLOWANCES

189.94 m²

	Development Maximum	950 Watts	Area Wattage Allowance	5.0 W/m ²
AREA WITHIN THE CLASS	10 BUILDING	34.33 m ²		
	Development Maximum	137 Watts	Area Wattage Allowance	4.0 W/m ²
AREA WITHIN THE OUTDO	OR AREAS	16.29 m ²		
	Development Maximum	49 Watts	Area Wattage Allowance	3.0 W/m ²

CEILING INULATION PENETRATION ALLOWANCE

CLASS 1 MAXIMUM PENETRATION ALLOWANCE

CLASS 1 MAXIMUM PENETRATION AREA (m²)

0.5% TOTAL INSULATED CEILING AREA

0.95

The clearance required around downlights by "Australian Standard AS/NZS 3000 – 2007 Electrical Installations" (AS/NZS 3000), introduces a significant area of uninsulated ceiling and therefore increases heat loss and gain through the ceiling.

If approved fireproof downlight covers, which can be fully covered by insulation, are specified and noted on the electrical plan by the building designer or architect, then there is no need to allow for the ceiling penetration



Document Set ID: 9038666

Reference Number: 1102Werrington

Assessment Date: 09/12/2019

NSW ADDITIONS: BUILDING FABRIC THERMAL INSULATION

NSW 3.12.1 APPLICATION OF NSW PART 3.12.1

- (a) Compliance with NSW 3.12.1.1 satisfies NSW P2.6.1(a) for thermal insulation and thermal breaks.
- (b) NSW PART 3.12.1 only applies to thermal insulation in a Class 1 or 10 building where a development consent specifies that the insulation is to be provided as part of the development.
- (c) In (b), the term development consent has the meaning given by the Environmental Planning and Assessment Act 1979.
- (d) The Deemed-to-Satisfy Provisions of this Part for thermal breaks apply to all Class 1 buildings and Class 10a buildings with a conditioned space.

NSW 3.12.1.1 COMPLIANCE WITH BCA PROVISIONS

- (a) Thermal insulation in a building must comply with the national BCA provisions of 3.12.1.1.
- (b) A thermal break must be provided between the external cladding and framing in accordance with national BCA provisions of—
 - (i) 3.12.1.2(c) for a metal framed roof; and
 - (ii) 3.12.1.4(b) for a metal framed wall.
- (c) Compensation for reduction in ceiling insulation must comply with the national BCA provisions of 3.12.1.2(e).
- (d) A floor with an in-slab or in-screed heating or cooling system must comply with the national BCA provisions of—
 - (i) 3.12.1.5(a)(ii), (iii) and (e) for a suspended floor; or
 - (ii) 3.12.1.5(c), (d) and (e) for a concrete slab-on-ground.

BUILDING SEALING & SERVICES

NSW 3.12.3 APPLICATION OF NSW PART 3.12.3

5.9 NATIONWIDE HOUSE PURS MUNICIPAL SHEET 90.5 Mum' www.nathers.gov.au Certificate Aute: Dwelling address: Dwelling address: Dwelling address: Dwelling address: United (#16) Chapman Street WERINGTON Pentil City Council NSW 2741 www.nathers.gov.au



(a) Compliance with NSW 3.12.3.1 satisfies NSW P2.6.1(b) for building sealing.

- (b) NSW Part 3.12.3 is not applicable to-
 - (i) existing buildings being relocated; or
 - (ii) Class 10a buildings-
 - (A) without a conditioned space; or
 - (B) for the accommodation of vehicles; or
 - (iii) parts of buildings that cannot be fully enclosed; or
 - (iv) a permanent building opening, in a space where a gas appliance is located, that is necessary for the safe operation of a gas appliance; or
 - (v) a building in climate zones 2 and 5 where the only means of air-conditioning is by using an evaporative cooler.

NSW 3.12.3.1 COMPLIANCE WITH BCA PROVISIONS

The sealing of a building must comply with the national BCA provisions 3.12.3.1 to 3.12.3.6.

NSW 3.12.5 SERVICES: APPLICATION OF NSW PART 3.12.5

- (a) Compliance with NSW 3.12.5.1 satisfies NSW P2.6.2 for services.
- (b) NSW Part 3.12.5 is not applicable to existing services associated with existing buildings being relocated.

NSW 3.12.5.1 COMPLIANCE WITH BCA PROVISIONS

Services must comply with the national BCA provisions 3.12.5.0 to 3.12.5.3.



Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019** ★ Star rating: **5.9**



Assessor details

Accreditation

number: VIC/BDAV/14/1662

Name: Claude-Francois Sookloll

Organisation: Energy Advance

Email: energy@energyadvance.com.au

Phone: 1300 850 228

Declaration No potential conflicts of interest to

of interest: declare

Software: FirstRate5: 5.2.11 (3.13)

AAO: BDAV

Overview

Dwelling details

Lot 1102 (#16) Chapman Street

Address: WERRINGTON

Suburb: Penrith City Council

State: NSW Postcode: 2747
Type: New Home NCC Class: Class 1a

Lot/DP NatHERS

number: 1102|1226122 climate zone: 28

Exposure: suburban

5.9 The more stars the more energy efficient NATIONWIDE HOUSE ENERGY RATING SCHEME Predicted annual energy load for heating and cooling based on standard occupancy assumptions 90.5 MJ/m² For more information on your dwelling's rating see: www.nathers.gov.au

Key construction and insulation materials Ceiling

(see following pages for details)

Construction: Wall: Brick Veneer & Framed

Roof: Colorbond

Floor: Waffle Pod 300-85

Insulation: Wall: R1.5 Batts (excl. Garage)

Roof: R2.5 Bulk (excl. Garage)

Floor: Waffle Pod 300-85

Glazing: Aluminium

Single Glazed

Ceiling penetrations

(see following pages for details)

Sealed: 1
Unsealed: 0
TOTAL: 1

Principal downlight type:

**NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. If this number is exceded in construction then this certificate IS NOT VALID and a new certificate is required. Loss of ceiling insulation for the penetrations listed has been taken into account with the rating.

No downlights modelled

Net floor area (m²)

Conditioned: 144.9 Unconditioned: 14.6 Garage: 30.6 TOTAL: 190.1

Annual thermal performance loads (MJ/m²)

 Heating:
 51

 Cooling:
 39.5

 TOTAL:
 90.5

Plan documents

Plan ref/date: 1102Werrington | 09/12/2019
Prepared by: Creation Homes Pty Ltd

Window selection - default windows only

Note on allowable window values: Only a 5% tolerance to the nominated SHGC window values shown on page 2 can be used with this rating.

Note: Only a +/-5% SHGC tolerance is allowed with this rating.

NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

If any of the windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.

Scan to access this certificate online and confirm this is valid.



https://www.fr5.com.au/QRCodeLanding?PublicId=3FREOU3P1T

Document Set ID: 9038666 Version: 1, Version Date: 25/02/2020

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Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019**

★Star rating: **5.9**



Building Features

Windows type and performance value					
Window ID	Window type	U-value	SHGC		
WID-006-01 A	Al Residential Sliding Window SG 3mm Clear	6.42	0.76		
ALM-001-01 A	Aluminium A SG Clear	6.7	0.57		
ALM-001-02 A	Aluminium A SG Tint	6.6	0.41		
WID-005-01 A	Al Residential Internal Sliding Door SG 4mm Clear	6.25	0.72		
WID-001-01 A	Al Residential Awning Window SG 3mm Clear	6.5	0.63		

Windows schedule

Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Zone name	Outdoor shade
WID-006-01 A	W1	1800	1810	NNE	Entry/Study	No
ALM-001-01 A	WD1	2340	920	WNW	Entry/Study	No
ALM-001-02 A	Sidelight	2340	820	WNW	Entry/Study	No
WID-006-01 A	W6	1800	1210	ESE	Kitchen/Living/Dining	No
WID-005-01 A	WD2	2370	2676	ESE	Kitchen/Living/Dining	No
WID-001-01 A	W3	600	1810	NNE	Kitchen/Living/Dining	No
WID-001-01 A	W4	1800	610	NNE	Kitchen/Living/Dining	No
WID-001-01 A	W5	1800	610	NNE	Kitchen/Living/Dining	No
WID-001-01 A	W7	600	1570	SSW	Kitchen/Living/Dining	No
ALM-001-01 A	WD3	2340	880	SSW	Laundry	No
WID-001-01 A	W2	1030	610	NNE	Powder	No
WID-001-01 A	W18	1030	1570	SSW	UF Passage	No
WID-001-01 A	W8	860	2410	WNW	Bedroom 1	No
WID-001-01 A	W20	860	1570	SSW	Bedroom 1	No
WID-006-01 A	W16	1200	1810	ESE	Bedroom 2	No
WID-001-01 A	W17	600	1570	SSW	Bedroom 2	No
WID-006-01 A	W15	1200	1810	ESE	Bedroom 3	No
WID-001-01 A	W14	600	1810	NNE	Bedroom 3	No
WID-001-01 A	W11	600	1810	NNE	Bedroom 4	No
WID-001-01 A	W19	860	1570	SSW	MPR	No
WID-001-01 A	W10	1200	610	WNW	Ensuite	No
WID-001-01 A	W9	1200	610	WNW	Ensuite	No
WID-001-01 A	W13	600	1210	NNE	Bathroom	No
WID-001-01 A	W12	600	610	NNE	WC	No

Roof windows and skylight type and performance value

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Document Set ID: 9038666

Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019**

★Star rating: 5.9



Building Features

ID	Window type				U-value	SHGC
Roof window and	skylight schedule					
ID	Roof window/ skylight no.	Area (m²)	Orientation	Zone name	Outdoor shade	Indoor shade/ diffuser

External wall type					
Туре	Insulation				Wall wrap
1 : CH - Brick Veneer -Uninsulated					No
2 : CH - Double Brick					No
3 : CH - Brick Veneer -R1.5 Batts	Glass fibre	batt: R1.5 (R	1.5)		No
4 : CH - Framed -R1.5 Batts	Glass fibre	batt: R1.5 (R	1.5)		No
External wall schedule					
Wall type	Area (m²)	Orientation	Zone name	Fixed shade	Eaves
1 : CH - Brick Veneer -Uninsulated	3.6	ESE	Garage	Yes	No
2 : CH - Double Brick	10.4	WNW	Garage	Yes	Yes
2 : CH - Double Brick	4.8	WNW	Garage	Yes	No
1 : CH - Brick Veneer -Uninsulated	15.1	SSW	Garage	No	No
3 : CH - Brick Veneer -R1.5 Batts	2.9	SSW	Entry/Study	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	6.7	NNE	Entry/Study	Yes	Yes
3 : CH - Brick Veneer -R1.5 Batts	3.3	ESE	Entry/Study	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	5.9	NNE	Entry/Study	No	No
3 : CH - Brick Veneer -R1.5 Batts	7.9	WNW	Entry/Study	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	5.8	SSW	Stairwell	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	7.6	ESE	Kitchen/Living/Dining	No	No
3 : CH - Brick Veneer -R1.5 Batts	12	ESE	Kitchen/Living/Dining	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	25.7	NNE	Kitchen/Living/Dining	No	No
3 : CH - Brick Veneer -R1.5 Batts	10	SSW	Kitchen/Living/Dining	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	4.4	SSW	Pantry	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	4.7	SSW	Laundry	Yes	No
3 : CH - Brick Veneer -R1.5 Batts	5.2	NNE	Powder	No	No
3 : CH - Brick Veneer -R1.5 Batts	3.3	WNW	Powder	Yes	No
4 : CH - Framed -R1.5 Batts	1.2	WNW	UF Passage	Yes	No
4 : CH - Framed -R1.5 Batts	5.2	SSW	UF Passage	No	No

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Document Set ID: 9038666

Page 3 of 7

Version: 1, Version Date: 25/02/2020

Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019**

★Star rating: 5.9



Building Features

4 : CH - Framed -R1.5 Batts	9.1	WNW	Bedroom 1	Yes	No No
4 : CH - Framed -R1.5 Batts	8.8	SSW	Bedroom 1	No	No
4 : CH - Framed -R1.5 Batts	7.5	ESE	Bedroom 2	Yes	Yes
4 : CH - Framed -R1.5 Batts	8.4	SSW	Bedroom 2	No	No
4 : CH - Framed -R1.5 Batts	9.8	ESE	Bedroom 3	No	Yes
4 : CH - Framed -R1.5 Batts	8.3	NNE	Bedroom 3	No	Yes
4 : CH - Framed -R1.5 Batts	4	SSW	Bedroom 3	Yes	Yes
4 : CH - Framed -R1.5 Batts	8.8	NNE	Bedroom 4	No	Yes
4 : CH - Framed -R1.5 Batts	5.6	SSW	MPR	No	No
4 : CH - Framed -R1.5 Batts	3.2	NNE	WIR	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	1.4	NNE	WIR	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	4.4	NNE	Ensuite	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	7	WNW	Ensuite	No	Yes
3 : CH - Brick Veneer -R1.5 Batts	1.5	SSW	Ensuite	Yes	Yes
4 : CH - Framed -R1.5 Batts	4.4	NNE	Bathroom	No	Yes
4 : CH - Framed -R1.5 Batts	2.4	NNE	WC	No	Yes

Internal wall type

Туре	Area (m²)	Insulation
1 : CH - Internal Stud Walls	171.8	

Floors					
Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
Garage	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	21	Enclosed	R0.0	none
Garage	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	9.6	Enclosed	R0.0	none
Entry/Study	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	12.7	Enclosed	R0.0	Timber
Stairwell	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	5.6	Enclosed	R0.0	Timber
Kitchen/Living/Dining	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	32.3	Enclosed	R0.0	Timber
Kitchen/Living/Dining	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	19.3	Enclosed	R0.0	Timber
Pantry	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	4.3	Enclosed	R0.0	Timber

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Document Set ID: 9038666

Page 4 of 7

Version: 1, Version Date: 25/02/2020

Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019**

★Star rating: 5.9



Building Features

Laundry	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	4.6	Enclosed	R0.0	Tiles
Powder	FR5 - 300mm waffle pod, 85mm concrete (R0.8)	3	Enclosed	R0.0	Tiles
UF Passage	FLOOR - Framed Internal Suspended Floor (uninsulated)	12.5	Enclosed	R0.0	Carpet
Bedroom 1	FLOOR - Framed External Suspended Floor (uninsulated)	0.9	Elevated	R0.0	Carpet
Bedroom 1	FLOOR - Framed Internal Suspended Floor (uninsulated)	12.6	Enclosed	R0.0	Carpet
Bedroom 2	FLOOR - Framed Internal Suspended Floor (uninsulated)	10.6	Enclosed	R0.0	Carpet
Bedroom 3	FLOOR - Framed Internal Suspended Floor (uninsulated)	13.7	Enclosed	R0.0	Carpet
Bedroom 4	FLOOR - Framed External Suspended Floor (uninsulated)	0.6	Elevated	R0.0	Carpet
Bedroom 4	FLOOR - Framed Internal Suspended Floor (uninsulated)	9	Enclosed	R0.0	Carpet
MPR	FLOOR - Framed Internal Suspended Floor (uninsulated)	8.6	Enclosed	R0.0	Carpet
WIR	FLOOR - Framed External Suspended Floor (uninsulated)	1.5	Elevated	R0.0	Carpet
WIR	FLOOR - Framed Internal Suspended Floor (uninsulated)	4	Enclosed	R0.0	Carpet
Ensuite	FLOOR - Framed Internal Suspended Floor (uninsulated)	5.2	Enclosed	R0.0	Tiles
Bathroom	FLOOR - Framed Internal Suspended Floor (uninsulated)	5.3	Enclosed	R0.0	Tiles
WC	FLOOR - Framed Internal Suspended Floor (uninsulated)	1.7	Enclosed	R0.0	Tiles

Location	Material	Added insulation	Roof space above
Garage	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No
Garage	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No
Garage	Plasterboard	R0.0	Yes
Entry/Study	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No
Entry/Study	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No
Entry/Study	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No
Stairwell	FLOOR - Framed Internal Suspended Floor (uninsulated)	R0.0	No

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Document Set ID: 9038666

Page 5 of 7

Version: 1, Version Date: 25/02/2020

Certificate Number: **3FREOU3P1T** Date of Certificate: **9 Dec 2019**



★Star rating: **5.9**

Building Features

Kitchen/Living/Dining	FLOOR	- Framed Internal Suspended Floor	(uninsulated)	R0.0		No
Kitchen/Living/Dining	FLOOR - Framed Internal Suspended Floor (uninsulated)			R0.0		No
Kitchen/Living/Dining	FLOOR - Framed Internal Suspended Floor (uninsulated)					No
Kitchen/Living/Dining	FLOOR - Framed Internal Suspended Floor (uninsulated)					No
Kitchen/Living/Dining	FLOOR - Framed Internal Suspended Floor (uninsulated)					No
Kitchen/Living/Dining	FLOOR	- Framed Internal Suspended Floor	(uninsulated)	R0.0		No
Kitchen/Living/Dining	Plasterb	oard		R2.5		Yes
Pantry	FLOOR	- Framed Internal Suspended Floor	(uninsulated)	R0.0		No
Laundry	FLOOR	- Framed Internal Suspended Floor	(uninsulated)	R0.0		No
Powder	FLOOR	FLOOR - Framed Internal Suspended Floor (uninsulated)				No
UF Passage	Plasterb	oard		R2.5		Yes
Bedroom 1	Plasterb	Plasterboard				Yes
Bedroom 1	Plasterb	Plasterboard				Yes
Bedroom 2	Plasterboard			R2.5		Yes
Bedroom 3	Plasterb	Plasterboard				Yes
Bedroom 4	Plasterb	Plasterboard				Yes
Bedroom 4	Plasterb	Plasterboard				Yes
MPR	Plasterb	Plasterboard				Yes
WIR	Plasterb	Plasterboard				Yes
WIR	Plasterb	Plasterboard				Yes
Ensuite	Plasterb	Plasterboard				Yes
Bathroom	Plasterb	Plasterboard				Yes
WC	Plasterboard			R2.5		Yes
Ceiling penetration	าร					
Location	Number	Туре	Width (mm)	L	ength (mm)	Seal/ unsealed
Kitchen/Living/Dining		Exhaust Fans	185		85	Sealed
Ceiling fans						
		Diameter (mm)				

Roof type		
Material	Added insulation	Roof colour
Cont:Attic-Continuous	0.0	medium

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Additional information

BCA Climate Zone: 6

Explanatory notes

About this report

Residential energy ratings address the quality of the building fabric i.e. walls, windows, floors and roof/ceilings. Ratings do not cover the energy or water efficiency of appliances including heating and cooling, hot water, dishwashers, ovens, fridges, TVs etc. or solar panel or water tank requirements. The efficiency or specification of these items is generally covered by other regulations, standards or guidelines.

General Information

A NatHERS House Energy Rating is a comprehensive, dynamic computer modelling evaluation of the floorplans, elevations and specifications to predict an energy load of a home. Not all of us use our homes in the same way, so ratings are generated using standard assumptions. This means homes can be compared across the country.

The actual energy consumption of your home may vary significantly from the predicted energy load figures in this report depending on issues such as the size of your household and your personal preferences, e.g. in terms of heating or cooling.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparative purposes between different house designs and for demonstrating that the design meets the required regulatory compliance.

Homes that are energy efficient use less energy, are warmer in winter, cooler in summer and cost less to run. The higher the star rating the more energy efficient.

This NatHERS House Energy Rating report was carefully prepared by your assessor on the basis of comprehensive modelling using standard procedures to rate your home using an underlying engine developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

All information relating to energy loads presented in this report is based on a range of standard assumptions in order to allow for comparisons with reports prepared for other homes and to demonstrate minimum regulatory compliance. The standard assumptions include figures for occupancy, indoor air temperature and are based on a unique climate file for your region.

Accredited Assessors

To ensure you get a high-quality, professional NatHERS House Energy Rating report, you should always use an accredited assessor, accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

AAOs have specific quality assurance processes in place and continuing professional development requirements to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have this level of quality assurance or any on-going training requirements.

If you have any questions or concerns about this report, please direct them to your assessor in the first instance.

If your assessor is unable to address your questions or concerns, please contact their AAO listed under 'assessor details'. You can also find a range of information about accredited assessors on the AAO websites.

Disclaimer

The energy values quoted are for comparison purposes only; they are not a prediction of actual energy use. This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached drawing set that bears a stamp with the same number as this certificate. Changes to any of these details could affect the rating.

Contact

For more information on the Nationwide House Energy Rating Scheme (NatHERS), visit www.nathers.gov.au For more information on energy efficient design and insulation visit www.yourhome.gov.au